

"Copy"  
of  
Medical Officer of Health's report to the Dursley  
Rural District Council.

|                    |        |
|--------------------|--------|
| Population in 1891 | 12,166 |
| Area in acres      | 26,521 |
| Inhabited houses   | 3,116  |

The district consists of 11 Parishes viz:—  
Barn, Coaley, Dursley, Kingwood, North  
Dibley, Rymphfield, Crookpen, Slimbridge,  
Stinchcombe, Dley, and Wotton-under-Edge.  
Inspector of Nuisances Mr S Robinson Silver  
Street Dursley.

Sir,

The Rural district of Dursley is situated on the sides and buttresses of the Western Cotswolds which consist largely of the white lime-stone. Many of the houses are built upon the hill sides or on the abutments which run out to different distances into the valley of the Severn. Slimbridge is the only parish wholly situated in the valley; so that for the most part the district is naturally well drained. The chief streams which drain the district are the Cam which drain,







Aley, Dursley, and Cam, and receives the drainage of Coaley, and empties itself into the Berkeley and Gloucester Canal. The Ribley Brook which drains North Dibley and empties itself into the Matford Brook. The Dyers Brook and Alderly Brook which unite at Kingswood, these drain Wotton under Edge, and Kingswood, and joins the Wickwar Brook. The Wickwar Brook is a boundary between the Dursley Rural District, and the Chipping Sodbury and Thornbury Rural Districts.

None of these streams are used for drinking purposes by human beings. The chief sources of pollution which enter these, - are the sewage of Aley, Dursley, and Cam, not the whole only a part.

The Cloth Manufactory Cam, the Patent Leather Works, the Flour Mills, two Breweries. The River's Mill Lannery, and the Pin Mill pollute the Cam. The polluting agents of the Ribley Brook are sewage from a few scattered residences along its course from the two flour mills and the washings of farmyards during heavy rains.

The Dyer's brook is polluted by a brewery and a flour mill. The Alderly Brook by sewage and other waste from Hind Mill. These brooks unite at Kingswood and receives pollutions from two silk mills, The Pin Mill, and Ithells Stock Mill.

These streams are also polluted by some sewage from Wotton-under-Edge and Kingswood. But there is no system of







The Wickwar Brook receives the sewage of Wickwar, and the Wickwar Brewery. This is a small stream, and is slow in its motion. It is the foulest stream in the district, and in the summer time is often a nuisance dangerous to health. It has placed upon it, and near the Wickwar Brewery some sewage works, but they cannot be said to have abated the nuisance. This is the only stream in the district with anything approaching to sewage works to prevent its pollution.

The During the year 1894 the Wotton. Under-Edge water works were brought to a successful completion, and on October 1st was opened by Lord Fitzhardinge. The total loans granted by the Local Government Board for these works amount to £3,500 but the actual cost of the works is about £3,400. The supply was given by his lordship; it is collected from several small springs on a part of the hill side known as Hamlyn's Brake and is probably 400 or 500 ft above the lowest part of the town. It is conveyed in iron pipes to the main tank, which is about 300 or 400 ft above the lowest parts of Wotton. Under-Edge. There are about five miles of iron pipes laid for the supply of so much of the town as is included in water area. The tank contains 99,000 gallons reckoned to be a three days supply. The population of Wotton. Under-Edge is about 3,000, the outside number expected to be supplied is 2,000. At the end of 1894 it was laid on to about 130 houses or was about to be laid on. This supply of good water and the analysis made by Mr. Stoddart-city analyst of Bristol, showed it to be a very good water. It







improve the sanitary condition of the  
for in addition to the increased quantity  
of wholesome water, either in or close to  
the dwelling-houses, for use for domestic pur-  
poses; there will be an abundance for the  
flushing of the street-gutters, which in the  
summer are such a nuisance and so  
dangerous to health. In connection with  
the above supply between Nov 28<sup>th</sup> and  
Dec: 17<sup>th</sup>. I with Mr Robinson ~~with~~ the inspector  
of nuisances made, at the request of the  
then Dursley Rural Sanitary Authority  
a house to house survey of Wotton-under-  
Edge to ascertain what the water supply  
was to each. We made 458 visits, or to all  
houses within the water area, not having  
had it laid, or had given orders to have  
it laid on.

This survey was for the purpose of enabling  
the Authority to compel the owners to have  
it laid on in all cases where there was  
not within reasonable distance an avail-  
able supply of wholesome water sufficient  
for the consumption and use for domestic  
purposes for the inmates of such dwelling-  
houses. As per Public Health (water) Act 1878  
For magnitude of water works Wotton-under-  
Edge takes the lead in the district. But  
for years the parishes of Coaley and Kings-  
wood have had their water supplies.  
Coaley is supplied by a spring on the hill  
side from which is laid a system of pipes  
with stand pipes at different distances down  
the main road of the village.







Kingswood gets its water supply from the hill-side opposite to <sup>Wotton-under-Edge</sup> and is conveyed through Sinwell in iron pipes, it is also supplied partly by stand pipes, and partly laid on. All are under the control of the Dursley Rural District Council. The other parishes are supplied by wells either shallow or deep, with or without pumps, or from springs. Dursley is largely supplied by the Broadwell from which it is carried in buckets etc. to the upper parts of the town. But the question of a water supply for the town is under consideration. There can be no doubt that the water supply from wells is very unsatisfactory and especially where house after house it is the well and the privy, the well and the privy, and as is frequently the case in a disagreeable and dangerous proximity to each other.

The disposal of sewage: - Dursley is of all the places in the District the most perfectly supplied with sewers. Although there are in their construction in places very imperfect. So that more sewage is water borne from Dursley than from any other place, some is also from Alvy and some from Cam; and so polluted was the stream that the Gloucestershire County Council two or three years ago commenced to use the then, Dursley



*[The page contains extremely faint, illegible text, likely bleed-through from the reverse side. The text is arranged in several paragraphs across the page.]*



Rural Sanitary Authority to take  
steps to prevent the pollution of the stream  
with the result that the water closets at  
the workhouse were taken off; dust bins  
were provided in Back St along the course  
of the Broadwell which was the portion  
of the stream most polluted; the bed of  
the Broadwell stream and the Mill pond  
on the stream were cleaned out and every  
Saturday the sluices for some hours are thrown  
open, so that the bed of the stream and the  
ponds are thoroughly flushed. These steps  
being taken to purifying the stream the  
County Council withdrew further action  
in the early part of 1894.

Sewers Sometime ago I suggested the laying of a  
sewer down Back St so as to remove the  
sewage from the Broadwell stream and  
carry it lower down to the bottom of the  
town.  
In the early part of 894 Her Majesty's Inspector  
of Factories wrote me respecting this nuisance  
I replied informing him the subject was  
under consideration. Since that time it  
seems to have fallen through. Still it is most  
desirable that the sewage should not be  
passed continually through the Pin Mill;  
there are still complaints made respecting  
it and there can be no doubt it is a nuisance  
dangerous to health.

Inspection. I have inspected nuisances complained of  
in respect of privies, pigstyes, ashpit, water-  
courses, sewers, drains, etc to the number of 38.  
In April the 24<sup>th</sup> with Mr Robinson made







a number of Sanitary improvements in many places. All the above nuisances were placed in his hands and have been remedied. I may mention that several inspections were made under the provisions of the Bye laws which applies to the contributory place of Dursley, and which came into force in March last. Some under the Public Health Act 1875, Sec. 46 Inspection Three cottages were visited and inspected by me, one at Milling, North Nibley, which was considered not to come under the provisions of the Act the second at Windsor, Gley, & the third at Stonehill, Kymphfield. These I advised, that the powers of the section be enforced.

Housing of Working Classes Act 1891.  
Under the above Act a cottage was inspected by myself and Mr Robinson at Swinehay North Nibley; here on my recommendation a closing order was issued. It was put in repair and made tenantable and relet. A second cottage in Organ's Court, Long St. Dursley, in a tumble-down condition was inspected by me on October the 8<sup>th</sup>. A closing order was recommended and issued by the authority as a preliminary step, then by Sec. 33 to pass a resolution "that it is expedient to order the demolition of the building."

Over-crowding. No case of over crowding was brought to my notice during the year.  
The Parish Mr Robinson inspected the two lodging-houses in Watton-under-Edge on April and again in November. In April the spring







linewashing had not been done. In November both were satisfactory. There is no lodging house in Darley.

### Bakehouses and Slaughterhouses.

Between September 20<sup>th</sup> and October 24<sup>th</sup> we visited and inspected all the bakehouses and slaughterhouses in the district. Of the 36 Bakehouses visited 29 were satisfactory & we advised lime-washing and greater cleanliness generally. Of 32 Slaughterhouses visited 25 were satisfactory and in 7 we advised greater cleanliness.

### New Dwellinghouses.

Nine new buildings and one old one primarily built for a cottage, only recently completed as such, were inspected by Mr. Robinson and myself. All were satisfactory except one at Watton-under-Edge, in which case I recommended a withholding of the certificate on account of its unfinished state, when finished I again inspected and issued the certificate; in all the above cases the water supply was considered satisfactory.

**Analyses** Five samples of water were examined by me during the year and all found fit for domestic use.

**Infections Diseases** In addition to the above inspections I have made during the year 55 visits of inspection in connection with Infections Diseases and on great many opportunities were found for making suggestions likely to improve the sanitary surroundings of such homes as well as also to prevent the spread of the maladies.







Closing  
of  
Schools.

The above Elementary School, Sarnaby  
was closed, on account of the presence  
of scarlatina in the village, in the month  
of February, for fourteen days, and after  
opening it was deemed advisable to  
re-close the school again in April.

The Infant School Lower Cam was obliged  
to be closed in the month of March for  
about six weeks on account of scarlatina  
in the School-house. In October it was  
thought advisable to close the Public  
Elementary School, Coaley, for one  
month, after reopening a member of  
the school master's family became  
infected so that the school was closed  
again on Nov: 24<sup>th</sup> and until the end  
of the first week in January 1895.

Scarlatina has been more or less prevalent  
during the year in the Northern part  
of the district, Dursley Cam, Slimbridge  
and Coaley have all been affected by  
the disease. Occasional cases have  
occurred in other parts, not to the same  
extent. There is little doubt that it was  
conveyed from Slimbridge to Coaley through  
relatives visiting an infected home or being  
visited by some one from an infected home.  
The disease was mild in Lyte, two or more  
families became infected by it before the  
disease was properly recognised there  
having been no Medical Attendant hence  
children from infected homes carried it  
to school so that the village became in-  
fected from one end to the other. At the  
end of the year as far as I know Cam  
was free of the disease but it was still







hurling about Dursley, Coaley, and  
Slymbridge. Two deaths only occurred  
from the disease, one a child, the other  
an adult. The Notification of Infectious  
Disease Act is not in force in this district.  
It was not proposed to discuss the adoption  
of the Act at any meeting of the Authority  
in 1894.

The Gloucestershire County Council in their  
report for 1893 regrets that it is not adopted.  
There are six other Authorities that have  
not adopted the Act in the County. There  
can be no doubt that compulsory Notification  
properly worked, that is, promptly put  
into action at the commencement of an  
outbreak of a dangerous infectious disease  
should by early information as to its  
presence, put into the hands of the authori-  
ties and their officials enable them to do  
much to check the extension of it. So that  
its adoption ought to be of great service to  
the district. But when the disease is very  
mild in type as has been the case in  
Dursley and Coaley, children having  
been affected by it, the parents not thinking  
what was the matter no Medical Attendant  
called in to give the disease a name and  
point out its dangers then Compulsory Notifica-  
tion is at a disadvantage and can do little  
to prevent its spread. People have yet to learn  
what disease is no respecter of persons, names,  
social status, possessions, trades or what  
not, and until they do they will not cease  
to play with it to the danger of others; but  
the well being of whom, there is often displayed







the greatest possible influence.

The Infectious Disease (prevention) Act has been in force a year or two.

Isolation. I am very strongly of opinion that Isolation is not practised in the strictest manner it should be and that properly carried out for a sufficient length of time would do much to check the spread of dangerous infectious disease especially in this the case with Scarlatina and it is highly necessary with others; but with Scarlatina it is as imperative as in the case of small pox. This is next to impossible in many cottages, hence the necessity for the combination of districts to provide an hospital, so strongly advocated by the Gloucestershire County Council for the treatment of such cases.

Influenza. Two deaths only were registered in which Influenza was registered as a complication, both on the Watton. Under. Edge side of the district and both in the first half of the year. Although there is reason to believe that occasional cases occurred in all parts of the district and in all seasons of the year, some of marked severity. There has been no prosecution during the year. I attended the meetings of the Board thirteen times during the year.

Relief. The Estimation of the Population.

Statistics. For the estimation of the population at all ages living at the middle of July, 1894. I have adopted a down grade scale, and that is





taking the last thirty years. The loss is 38 per annum and the estimated population is 12043. The Births exceeds the Deaths by 105 this is called the "Natural Increment". In this district in the past, for so long a period, both immigration and "Natural Increment" have been unable to balance emigration. The vital Statistics for the year 1894 are as follows viz: - There were 293 births registered during the year. Of these 152 were males and 141 were females. The birth rate per thousand of estimated population living at all ages at the middle of the year is 24.3. This is called the "crude birth rate" and it is exceedingly low. It was 27.8 in 1893, 24.6 in 1892. It was 26.82 for the County of Gloucester in 1893, and for all England and Wales 30.4.

Deaths The deaths registered during the year were 188 of these 100 were males and 88 were females. The death-rate for the year is according to estimated population 15.6 for 1893 it was 16.3 for the County of Gloucester it was 15.434 and for all England and Wales 19.1. This is the lowest death rate recorded for several years. A low death-rate was general throughout the country.

The deaths arranged according to table A at various ages are as follows. Under 1 year 3.1 and under 5; 9.5 and under 15; 6.15 and under 25; 3.25 and under 65; 5.7; 65 and upwards, 8.1.

Infant Mortality -

The deaths under one year is 32 and the





rate of Infant Mortality is 109.2, in 1893  
it was 100.8. The rate of Infant Mortality  
for the County of Gloucester is not given  
in the report for the year 1893, while that  
for all England and Wales was for 1893, 159.  
So that although a little higher than 1893,  
yet the death rate is very low, especially  
considering the district is not purely  
agricultural. Taking for comparison  
the groups of ages by far the larger number  
died in the period of old age, forty three  
died between 70 & 80, and twenty two died  
between 80 & 90.

*Zymotic* The seven principle -

*Diseases* Zymotic diseases were the cause of death  
and in 8 persons two only of these were under  
death. 5 years old and these died of Diphtheria  
- rate Two died of Scarlatina, two of Diphtheria  
Three of fever, and one of Diarrhea. The  
death-rate from the above diseases per  
thousand persons living is 66. In 1893 it  
was 198. The Zymotic death rate for the  
County of Gloucester is not given in the  
report for 1893. For all England and Wales  
it was 247. In addition to the above one  
died from membranous croup, two from  
puerperal fever, and one under five from  
rheumatic fever. No death occurred in the  
district from Small-pox, Cholera, Typhoid,  
Measles or whoop-cough. Thirteen deaths  
occurred from the Acute Respiratory diseases  
and the death rate is 27. Seven died from  
Phthisis, twenty one from Heart Disease, and  
five died from injuries.





The death-rate of the district per thousand of estimated population for each district for the year is as follows. Dursley 14.7. Dley 14.10. Wotton 17.8. But the excess of deaths in Wotton. under. Edge was not from any preventable disease, twenty were caused by the Acute Respiratory Diseases, only 13 in the other two districts combined; 11 from heart disease, 10 in the two other districts; 42 died in old age, only 39 in the other districts.

Vaccination is under the control of the Board of Guardians, but it is a question of Public Health which is my excuse for introducing the subject and showing the result. When on Sept 25<sup>th</sup> the proposition was put to the Board of Guardians, as to making or continuing to make vaccination compulsory after a debate lasting for some time in which several of the Guardians took part. Not one guardian voted in its favour. The Chair man only, had the courage to record his. So that from the above date vaccination in the Dursley Rural Sanitary District is voluntary and therefore no longer compulsory. From information received from those in the district who vaccinate the most of the children vaccinated. I am of opinion that their evidence goes to show that since the above proposition was discussed and decided on, vaccination has gone down. For myself it is almost nil.





Prospective. The above result, will show the necessity of providing an Isolation hospital as soon as possible, as an alternative measure for checking the ravages of small-pox. The adoption of the Infectious Disease (Notification) Act will become of still greater importance.

In addition to the above measures, the supply of Dursley with water, will be at the front, possibly also time, may be found for seriously considering the laying of the sewer down Back St, so as to remove the sewage from the Broadwell stream. The purification of the Wickwar Brook will again force itself upon the attention of the Authority especially if the summer be dry and hot. There together with other subjects of minor importance will come up for consideration and action.

Table  
"B"

The sickness table (Table "B") is necessarily very defective inasmuch as the Infectious Disease (Notification) Act is not in force in the District. The information is gathered from the District Medical Officer's Relief Books, and what could be picked up from various sources, all very unsatisfactory. Appended is the annual report of work done by Mr. F. Robinson Inspector of nuisances.

I remain

Your Obedient Servant  
Francis Jas. Joynt

Feb 16<sup>th</sup> 1895 Medical Officer of Health.





Summary of Nuisances abated from December 31<sup>st</sup> 1893 to December 31<sup>st</sup> 1894

Dwelling Houses

|                                |    |
|--------------------------------|----|
| Overcrowding Abated            | 3  |
| Closed as unfit for habitation | 2  |
| Delapidated and Repaired       | 4  |
| Cleaned and Disinfected        | 28 |
| Water supply remedied          | 5  |

Closets

|                      |    |
|----------------------|----|
| New Provided         | 3  |
| Rebuilt and Repaired | 22 |
| Cleaned              | 40 |

Drains

|                       |    |
|-----------------------|----|
| New Provided          | 2  |
| Defective Remedied    | 26 |
| Foul ditches cleansed | 5  |

Other Nuisances

|                             |    |
|-----------------------------|----|
| Offensive refuse removed    | 8  |
| Pip Nuisances Abated        | 17 |
| Offensive Cesspools Cleaned | 2  |

Total 157

|  |    |
|--|----|
| Number of nuisances abated without formal notice | 66 |
| Statutory notices served                         | 91 |
| Summons issued                                   | 0  |

Total 157

I have visited 101 Registered Dairies and Milkshops in this district. There have been two outbreaks of *Scarlatina* and one death on Registered premises but every precaution was taken and cows removed until the premises were thoroughly lime-washed and disinfected.

I am Gentlemen,

Your Obedient Servant,

Thomas Robinson

February 19<sup>th</sup> 1895.

















